

CONFIGURATION MIGRATION TOOL

# FortiConverter Release Notes

**VERSION 5.4.0**

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Tuesday, December 19, 2017

FortiConverter 5.4.0 Release Notes

1st Edition

# TABLE OF CONTENTS

<b>Introduction</b>	<b>4</b>
<b>What's new</b>	<b>5</b>
<b>System requirements</b>	<b>6</b>
<b>Supported versions and conversions</b>	<b>7</b>
<b>Upgrading</b>	<b>10</b>
<b>Resolved issues</b>	<b>11</b>
<b>Known issues</b>	<b>14</b>

# Introduction

This document provides installation instructions and caveats, resolved issues, and known issues for FortiConverter 5.4.0, build 0345.

FortiConverter provides a solution for the conversion of numerous firewall configurations into a FortiOS-compatible format. It currently supports the conversion of Cisco, Check Point, Juniper, SonicWall, Palo Alto Networks, McAfee (Sidewinder and Stonesoft), Trend Micro, and Alcatel-Lucent Brick configurations. FortiConverter can also convert Snort IPS rules to custom signatures.

**FortiConverter 5.4.0 introduces a new browser/server based application, in addition to the legacy application.** Designed as a web application, its database allows conversions to be saved and supports large source-firewall configurations. This, and the new GUI, is intended to improve usability and provide a framework for new functionality.

Two installers are available on the support site:

- `FortiConverterSetup_(release)_Build#.exe` is the legacy application.
- `FortiConverterSetup_(release)_Build#.py.exe` is the new application.

Both the legacy and new applications use the same license key and should be installed on the same host.

**The FortiConverter 5.4.0 new application supports the Cisco ASA, PIX and FWSM conversions, and a new FortiGate configuration viewer.** Use release 5.4.0 of the legacy application for all other supported conversions.

**The FortiGate configuration viewer, in the new application, is provided in place of the FortiGate conversion.** The viewer helps FortiGate administrators manually migrate configurations from a FortiGate configuration file by providing a graphical interface to view policies and objects, and copy CLI. Users who want to use the old FortiGate conversion for conversions up to FortiOS 5.4 can continue to use FortiConverter 5.3.0, which is available on the support site.

For all conversions, you can complete a conversion and view the results in the tuning page. All other functionality is disabled until you upload the full license. In most cases, this limited functionality is sufficient to allow you to evaluate the product.

If your license expires and you do not renew the license, functionality reverts to the trial version.

SKU	Description
<b>FC-10-CON01-401-01-12</b>	1-year multi-vendor configuration migration tool for building FortiOS configurations, requires Windows.
<b>FC-10-CON01-401-02-12</b>	1-year renewal multi-vendor configuration migration tool for building FortiOS configurations, requires Windows.

For additional documentation, please visit:

<http://docs.fortinet.com/forticonverter/>

## What's new

This release contains following new features and enhancements.

- FortiConverter now features a new application for Cisco ASA, PIX, and FWSM conversions. These conversions have been removed as options from the legacy application.
- The new FortiConverter application also features a FortiGate configuration viewer for viewing older FortiGate configurations. The FortiGate to FortiGate configuration option has been removed.
- FortiConverter now supports conversion from McAfee Stonesoft 5.7 to FortiOS.
- FortiConverter now supports conversion from Trend Micro Tipping Point IPS 4.5 to FortiOS.

## System requirements

FortiConverter is tested to run on the following Microsoft Windows platforms:

- Microsoft Windows 10
- Microsoft Windows 8 (32-bit or 64-bit)
- Microsoft Windows 7 (32-bit or 64-bit)
- Microsoft Windows Server 2016
- Microsoft Windows Server 2012

If your Windows or Windows Server version is not listed above, contact FortiConverter support at [fconvert\\_feedback@fortinet.com](mailto:fconvert_feedback@fortinet.com).

## Supported versions and conversions

Unless noted as an exception below, conversions only support IPv4 unicast policy.

Vendor	Models	Versions	Convertible objects
<b>Alcatel-Lucent</b>	Brick	ALSMS v9.x	Addresses & Address Books Interfaces (physical, logical, loopback, PPPoE) Partitions Services & Service Books Static routes Zone rule set
<b>Check Point</b>	SmartCenter	NG FP1 (4.0) to NGX R80	Addresses & Address Groups Interfaces (Physical, Logical, Loopback, PPPoE) Local Users & Groups NAT (Automatic & Rule) Negate Cell Policies (rulebases.fws) RADIUS, TACACS+, & LDAP
	Provider-1	NGX R65 to R80	Rules Schedules Services & Service Groups Static routes VPN (IPSec)
<b>Cisco</b>	PIX ASA FWSM	4.x to pre-8.3, 8.3 and later, 9.x	ACLs Addresses & Address Groups DHCP Servers DNS Servers Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) IP Pools Local Users & Groups NAT (including Object NAT and Double NAT) RADIUS, TACACS+, & LDAP Services & Service Groups Static Routes Time Ranges VPN (IPSec, PPTP/L2TP, EZVPN)
	IOS	10.x to 12.x 15.x	
	IOS XR	4.x, 5.x, 6.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies
	Nexus	5.2, 6.x, 7.x	Services & Service Groups Static Routes

Vendor	Models	Versions	Convertible objects
Juniper	SSG/ISG	ScreenOS 5.x, 6.x	Addresses & Address Groups & FQDNs DHCP Servers & Clients & Relays Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) Static Routes Services & Service Groups Policies VIPs/MIPs NAT IP Pools VPN (IPSec, PPTP/L2TP) Local Users & Groups RADIUS & LDAP Zones
	SRX	Junos OS 10.x to 12.x	Addresses & Address Groups & FQDNs DHCP Servers & Client & Relay Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) IP Pools Local Users & Groups NAT Policies RADIUS & LDAP Services & Service Groups Static Routes VIPs/MIPs VPN (IPSec, PPTP/L2TP) Zones
	MX	Juno OS 10.x to 12.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies Services & Service Groups Static Routes
McAfee	Sidewinder	7.x, 8.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies Services & Service Groups Static Routes
	Stonesoft	5.7	Addresses & Address Groups Interfaces Policies Services & Service Groups Static Routes



Vendor	Models	Versions	Convertible objects
<b>Palo Alto Networks</b>	PA	PAN-OS 1.x to 6.x	Addresses & Address Groups & FQDNs Interfaces Local Users & Groups NAT (partial) Policies Schedules Static Routes Services & Service Groups Zones
<b>SonicWall</b>	NSA Series	SonicOS Enhanced 5.x	Addresses & Address Groups & FQDNs DHCP Servers & Clients & Relays Interfaces (Physical, Logical, Loopback, PPPoE) Local Users & Groups NAT Policies Schedules Services & Service Groups Static Routes Zones
<b>Tipping Point</b>	IPS	4.5	Addresses & Address Groups Policies Services & Service Groups

Exceptions:

- Check Point to FGT conversion can support IPv4 multicast policy.
- Check Point, Cisco (IOS-XR only) and Juniper (Junos only) to FGT conversion can support IPv6 unicast policy.

# Upgrading

The legacy application for FortiConverter has no special upgrade requirements. You may overwrite an existing installation with a different version.

The new application has a backend database. Therefore, it is important to follow the upgrade path to correctly update the database schema.

If you have previously installed an interim build of the new application, please see the Installation section of the FortiConverter 5.4.0 handbook for instructions on how to correctly remove this version before installing the new version.

For additional support, please contact [fconvert\\_feedback@fortinet.com](mailto:fconvert_feedback@fortinet.com).

## Resolved issues

The resolved issues listed below do not list every bug that has been corrected with this release. For inquiries about a particular bug, please email FortiConverter support at [fconvert\\_feedback@fortinet.com](mailto:fconvert_feedback@fortinet.com).

### Resolved issues

Bug ID	Description
303518	Some Cisco PIX Network Address Translation (NAT) issues remain.
394353	Some NAT statements are not supported for Cisco PIX.
377624	FortiConverter software update feature cannot use existing HTTP proxy settings.
378062	FortiConverter license activation behind Web Proxy with Authentication.
437540	Some comments are not converted during a Check Point to FortiGate conversion.
437821	Static routes of outgoing interfaces are not updated with the correct value during ScreenOS to FortiGate conversion.
434421	FortiConverter occasionally has issues converting ASA style static NAT.
424210	FortiGate Web UI experiences performance issues after importing a Check Point conversion.
434259	Objects referenced in a Central NAT policy are occasionally moved incorrectly.
434267	FortiConverter does not take FortiGate 5.4 behavior into consideration when creating Central NAT rules.
434338	Interface names occasionally do not match during Juniper Junos SRX conversions.
439516	Check Point to FortiGate conversion has Central NAT conversion issues.
440209	FortiConverter crashes during a Cisco ASA conversion with a large amount of ACLs.
439331	FortiConverter has some issues regarding Central NAT and routes for CheckPoint conversions.
438402	FortiConverter reads destination NATs incorrectly during a Juniper conversion.
438468	Static routes occasionally do not convert properly for a Juniper conversion.
384848	FortiConverter has issues merging rulesets.
442421	FortiConverter cannot skip the "Additional Rules" step for FortiGate-FortiGate conversion.
440963	FortiConverter occasionally has CiscoASA to FortiGate conversion issues.

Bug ID	Description
441736	Juniper address groups with the same name but different security zones do not get converted.
445242	FortiConverter has IPSec VPN issues during Cisco ASA conversion.
445261	FortiConverter drops some service object properties during Check Point conversion.
448791	FortiConverter occasionally does not convert NAT policies during a Cisco conversion.
445770	FortiConverter has destination NAT translation issues during Checkpoint configuration.
446437	Snort conversions are occasionally deemed invalid in FortiGate.
451503	FortiConverter does not recognize Cisco ASA interfaces when speed or duplex settings are not shown.
452437	FortiConverter does not take Check Point groups into account during Check Point conversion.
415711	FortiConverter does not support Tipping Point conversion.
391014	FortiConverter does not support McAfee Stonesoft conversion.
451088	FortiConverter has issues with Cisco Twice NAT merges.
452436	Cisco ASA conversions occasionally cannot run to completion.
453145	FortiConverter occasionally drops DHCP relay IPs during ScreenOS conversion.
452694	FortiConverter installers do not have Smart Screen support.
452764	Schedule objects are occasionally not converted during Palo Alto Networks conversion.
453434	FortiConverter has issues with the new PAN configuration output format.
452775	FortiConverter does not convert dynamic routing protocols during ScreenOS conversion.
455706	FortiConverter does not convert VPNs correctly during Juniper SRX conversion.
455708	Check Point conversions occasionally crash.
452137	Cisco conversions occasionally return exaggerated values.
459410	McAfee Sidewinder conversions occasionally drop items.
455851	FortiConverter experiences issues with NAT rules and VPN settings during Cisco ASA conversion.
460545	FortiConverter has issues with FortiGate interface names.
463098	Cisco configurations with the keyword "pat-pool" crash FortiConverter.



## Known issues

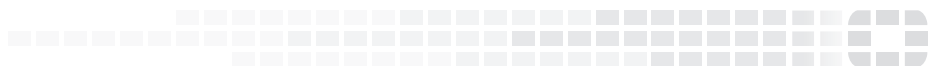
The issues listed below do not include every known bug. For inquiries about a particular bug, please email FortiConverter support at [fconvert\\_feedback@fortinet.com](mailto:fconvert_feedback@fortinet.com).

### Known issues

Bug ID	Description
423130	FortiConverter incorrectly parses Juniper SRX security zones.
400963	FortiConverter will not enable NAT if the destination has "negate" enabled.
435526	FortiConverter does not convert BGP routes for Junos SRX OS.
435334	Cisco ASA global ACL conversion support.
459808	FortiConverter does not convert routing instances for Junos SRX OS.
459412	Some Cisco ASA static NAT may be mismatched during a NAT merge.
459411	FortiConverter occasionally has issues when performing interface name mapping for Cisco ASA conversions.
451869	FortiConverter does not convert destination NATs with source address objects for Juniper SRX conversions.



High Performance Network Security



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